

CLAIM AMENDMENTS:

1. (currently amended) A building door (1) that can move, made up of several panels (5), each of the panels having two opposite longitudinal edges that extend parallel to one another and substantially normal to a direction of movement of the respective panel and two opposite transverse edges that extend between the longitudinal edges and that are aligned substantially parallel to the direction of movement of the respective panels, each of the panels further having opposite interior and exterior walls, the panels being guided along at least one guide rail (4) that has at least one curvilinear section in such a way that the panels remain at least approximately parallel to the guide rail, the panels being articulated to one another about axes of pivoting (10) parallel to their longitudinal edges by virtue of pivot elements (9), the panels (5) being equipped at their longitudinal edges with complementary male and female anti-trapping profiles, characterized in that the axes (10) of pivoting of the pivot elements (9) are at least approximately coplanar with the interior walls (6) of the panels (5) with which they articulate, and in that the pivot elements (9) are connected to the transverse edges (14) of the panels (5), wherein no part of any of the pivot elements projects beyond the front and rear walls of the respective panels.

Claims 2-5 (canceled).

6. (previously presented) The door (1) as claimed in claim 1, characterized in that the pivot elements (9) of the transverse edges (14) comprise a male (9a) part and female (9b) part which form a single piece.

7. (previously presented) The door (1) as claimed in claim 6, characterized in that the pivot elements (9) consist in shapings at the ends of the transverse edges (14) allowing the various panels (5) to be articulated.

8. (previously presented) The door (1) as claimed in claim 7, characterized in that the transverse edges (14) of the panels (5) comprise a male part (9a) at a first end and a female part (9b) at a second end to allow the panels (5) to be articulated.

9. (previously presented) The door (1) as claimed in claim 8, characterized in that the male part (9a) has a shaft (15) the axis of which defines the axis of pivoting (10) and in that the female part (9b) has a drilling (16) to take a shaft (15).

10. (previously presented) The door (1) as claimed in claim 1, characterized in that the transverse edge of each of the panels defines a U-section (14).

11. (previously presented) The door (1) as claimed in claim 10, characterized in that the U-section (14) has two parallel flanges connected to the interior (6) and exterior (7) walls of a panel (5).

12. (previously presented) The door (1) as claimed in claim 1, characterized in that the pivot elements (9) has a guide device (12, 18, 19) each of the guide devices being disposed in alignment with portions of the panels between the interior wall and an exterior wall thereof, the guide devices being engageable with the guide rail.

13. (currently amended) The door (1) as claimed in claim 12, characterized in that each of the guide devices (12, 18, 19) is in a pivot connection with one of the pivot elements (9) in such a way that, in a rectilinear portion of the respective guide rail, the guide rail (5, 4) is at least approximately located within the thickness of the panels.

14. (currently amended) ~~The~~ A building door (1) as claimed in claim 1, characterized in that can move, made up of several panels (5), each of the panels having two opposite longitudinal edges that extend parallel to one another and substantially normal to a direction of movement of the respective panel and two opposite transverse edges that extend between the longitudinal edges and that are aligned substantially parallel to the direction of movement of the respective panels, each of the panels further having opposite interior and exterior walls, the panels being guided along at least one guide rail (4) that has at least one curvilinear section in such a way that the panels remain at least approximately parallel to the guide rail, the panels being articulated to one another about axes of pivoting (10) parallel to their longitudinal edges by virtue of pivot elements (9), the panels (5) being equipped at their longitudinal edges with complementary male and female anti-trapping profiles, characterized in that the axes (10) of pivoting of the pivot elements (9) are at least approximately coplanar with the interior walls (6) of the panels (5) with which they articulate, and in that the pivot elements (9) are connected to the transverse edges (14) of the panels (5), wherein each of the pivot elements (19) has a plurality of apertures (17) aligned with tappings in the transverse edges.

15. (currently amended) The door (1) as claimed in claim 14, wherein no part of any of the pivot elements projects beyond the front and rear walls of the respective panel.

16. (new) The door (1) as claimed in claim 14, characterized in that the pivot elements (9) of the transverse edges (14) comprise a male (9a) part and female (9b) part which form a single piece.

17. (new) The door (1) as claimed in claim 16, characterized in that the pivot elements (9) consist in shapings at the ends of the transverse edges (14) allowing the various panels (5) to be articulated.

18. (new) The door (1) as claimed in claim 17, characterized in that the transverse edges (14) of the panels (5) comprise a male part (9a) at a first end and a female part (9b) at a second end to allow the panels (5) to be articulated.

19. (new) The door (1) as claimed in claim 18, characterized in that the male part (9a) has a shaft (15) the axis of which defines the axis of pivoting (10) and in that the female part (9b) has a drilling (16) to take a shaft (15).

20. (new) The door (1) as claimed in claim 16, characterized in that the transverse edge of each of the panels defines a U-section (14).

21. (new) The door (1) as claimed in claim 20, characterized in that the U-section (14) has two parallel flanges connected to the interior (6) and exterior (7) walls of a panel (5).

22. (new) The door (1) as claimed in claim 16, characterized in that the pivot elements (9) has a guide device (12, 18, 19) each of the guide devices being disposed in alignment with portions of the panels between the interior wall and an

exterior wall thereof, the guide devices being engageable with the guide rail.

23. (new) The door (1) as claimed in claim 22, characterized in that each of the guide devices (12, 18, 19) is in a pivot connection with one of the pivot elements (9) in such a way that, in a rectilinear portion of the respective guide rail, the guide rail (4) is at least approximately located within the thickness of the panels.